

MR1683-418/CIP

Serial Number: 10/661,625

Reply to Office Action dated 19 October 2004

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listing of claims in the application:

LISTING OF CLAIMS:

Claim 1 (Currently amended) An operating device for a screwdriver, comprising:

a body, the body having (a) a first through hole longitudinally and centrally formed therein, the first through hole having an enlarged open portion formed in one end of the body, (b) a first channel formed in the body in correspondence to the enlarged open portion of the first through hole and in open communication therewith, and (c) a second channel formed in the body in correspondence to the first channel and the enlarged open portion of the first through hole and in open communication therewith;

a longitudinally extended barrel extending through the body and pivotally rotatably and at least partially received in the first through hole of the body, the barrel having a polygonal hole formed longitudinally and centrally defined therein through the barrel, the polygonal hole being adapted to partially receive a screwdriver tip at least partially therein, the barrel having a plurality of teeth formed on an outer periphery thereof and located longitudinally on the barrel

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to be in correspondence with the enlarged open portion of the first through hole;

and

a controller mounted to the body for controlling an ~~operate~~
operational direction of the screwdriver, the controller including:

a first pawl movably received in the first channel of the body
and selectively engageable with a portion of the plurality of teeth on the
barrel to limit rotation of the barrel relative to the body in a first direction,
the first pawl extending outwardly from the body and having a first guide
side formed on a free end of the first pawl;

a first resilient member mounted in the first channel and
abutting against the first pawl to push the first pawl toward the plurality of
teeth on the barrel;

a second pawl moveably received in the second channel of
the body and selectively engageable with a portion of the plurality of teeth
on the barrel to limit rotation of the barrel relative to the body in a second
direction, the second pawl extending outwardly from the body and having a
second guide side formed on a free end of the second pawl;

a second resilient member mounted in the second channel and
abutting against the second pawl to push the second pawl toward the
plurality of teeth of the barrel; and,

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a cover rotatably mounted to the body for driving the first pawl and the second pawl to control an operational direction of the screwdriver, the cover having a clutch coupled thereto, the clutch having a first side corresponding to the first guide side of the first pawl and a second side corresponding to the second guide side of the second pawl. [[:]]

~~wherein the improvement comprises: the polygonal hole extending through the barrel.~~

Claim 2 (Cancelled).

Claim 3 (Original) The operating device as claimed in claim 2, wherein the first pawl comprises a first protrusion extending therefrom over the body and the first guide side is formed on the first protrusion, and the second pawl comprises a second protrusion extending therefrom over the body and the second guide side is formed on the second protrusion.

Claim 4 (Currently amended) The operating device as claimed in claim 2, wherein the body comprises a column adapted to be secured in a handle of the screwdriver and a pivot seat integrally formed with the column, the pivot seat having corresponding to the enlarged open portion of the first through hole, and the first channel and the second channel defined in the pivot seat formed therein.

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Claim 5 (Currently amended) The operating device as claimed in claim 3, wherein the body comprises a column adapted to be secured in a handle of the screwdriver and a pivot seat integrally formed with the column, the pivot seat having corresponding to the enlarged open portion of the first through hole, and the first channel and the second channel defined in the pivot seat formed therein.

Claim 6 (Original) The operating device as claimed in claim 4, wherein the cover comprises:

a skirt mounted around an outer periphery of the pivot seat;

a shoulder radially extending from one end of the skirt opposite to the body and defining a second through hole to allow the barrel extending through the cover;

a first recess defined in the shoulder for receiving the first protrusion of the first pawl; and

a second recess defined in the shoulder for receiving the second protrusion of the second pawl, the second recess corresponding to the first recess.

Claim 7 (Currently amended) The operating device as claimed in claim [[4]] 5, wherein the cover comprises:

a skirt mounted around an outer periphery of the pivot seat;

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a shoulder radially extending from one end of the skirt opposite to the body and defining a second through hole to allow the barrel extending through the cover;

a first recess defined in the shoulder for receiving the first protrusion of the first pawl; and

a second recess defined in the shoulder for receiving the second protrusion of the second pawl, the second recess corresponding to the first recess.

Claim 8 (Currently amended) An operating device for a screwdriver, comprising:

a body formed by a column adapted to be secured in a handle of the screwdriver and a pivot seat integrally formed with the column, the body including:

a first through hole longitudinally and centrally ~~defined~~ formed in the body, the first through hole having an enlarged open portion formed in ~~one end of the body~~ the pivot seat;

a first channel ~~defined~~ formed in the pivot seat body and ~~corresponding in correspondence~~ to the enlarged portion of the first through hole, ~~the first channel communicating with the enlarged portion of the first through hole and in open communication therewith;~~ and

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a second channel ~~defined~~ formed in the pivot seat body, ~~the second channel corresponding in correspondence to the first channel and the enlarged portion of the first through hole, the second channel communicating with the enlarged portion of the first through hole and in open communication therewith; and~~

a cutout formed in an outer a peripheral edge of the pivot seat;

a longitudinally extended barrel rotatably and at least partially and pivotally received in the first through hole in the body, the barrel havinf and including: a polygonal hole defined in the barrel formed longitudinally and centrally extending through the barrel for receiving at least a portion of a long screwdriver tip therein, the barrel having; and a series plurality of teeth formed on an outer periphery thereof the barrel and corresponding to and located longitudinally on the barrel to be in correspondence with the enlarged portion of the first through hole; and,

a controller ~~pivotally~~ rotatably mounted ~~on~~ to the pivot seat of the body for controlling an ~~operate~~ operational direction of the screwdriver, the controller including:

a first pawl movably received in the first channel ~~in the body and selectively engaged to the series~~ engageable with a portion of the plurality of teeth of on the barrel to control the operate direction of the screwdriver

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limit rotation of the barrel relative to the body in a first direction, the first pawl extending ~~over the body~~ outwardly from the pivot seat and having a first guide side formed on a free end of the first pawl;

a first resilient member mounted in the first channel and abutting against the first pawl to push the first pawl toward the ~~series~~ plurality of teeth ~~of on~~ on the barrel;

a second pawl movably received in the second channel ~~in the body~~ and selectively ~~engaged to the series~~ engageable with a portion of the plurality of teeth of the barrel to ~~control the operate direction of the screwdriver~~ limit rotation of the barrel relative to the body in a second direction, the first pawl extending ~~over the body~~ outwardly from the pivot seat and having a second guide side formed on a free end of the second pawl;

a second resilient member mounted in the second channel and abutting against the second pawl to push the second pawl toward the ~~series~~ plurality of teeth ~~of on~~ on the barrel; and

a cover ~~pivotally~~ rotatably mounted to the body for driving the first pawl and the second pawl to control ~~the operate~~ an operational direction of the screwdriver, the cover having a clutch attached ~~thereto the cover~~, the clutch having a first side corresponding to the first guide side of the first pawl and a second side corresponding to the second guide side of the

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second pawl, the cover having a stopper extending therefrom and disposed in the cutout of the pivot seat for limiting rotation of the cover relative to the body.

Claim 9 (Currently amended) The operating device as claimed in claim 8, wherein the first pawl comprises a first protrusion extending therefrom over the body pivot seat and the first guide side is formed on the first protrusion, and the second pawl comprises a second protrusion extending therefrom over the body pivot seat and the second guide side is formed on the second protrusion.

Claims 10 – 11 (Cancelled).

Claim 12 (Currently amended) The operating device as claimed in claim [[10]] 8, wherein the cover comprises:

a skirt mounted around an outer periphery of the pivot seat;

a shoulder radially extending from one end of the skirt opposite to the body and defining a second through hole to allow the barrel extending through the cover;

a first recess defined in the shoulder for receiving the first protrusion of the first pawl; and

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a second recess defined in the shoulder for receiving the second protrusion of the second pawl, the second recess corresponding to the first recess.

Claim 13 (Cancelled).